

HP E5000 Messaging System for Microsoft Exchange Quick Start Guide

The HP E5000 Messaging System for Microsoft Exchange is the general name for several E5x00 hardware-software solutions for Microsoft Exchange. Each messaging system features HP server blades and dense disk storage combined in a single 3U chassis, as shown in Figure 1 (page 1), and Microsoft Exchange setup utilities. The Microsoft Windows Server operating system is preinstalled and activated on all systems.

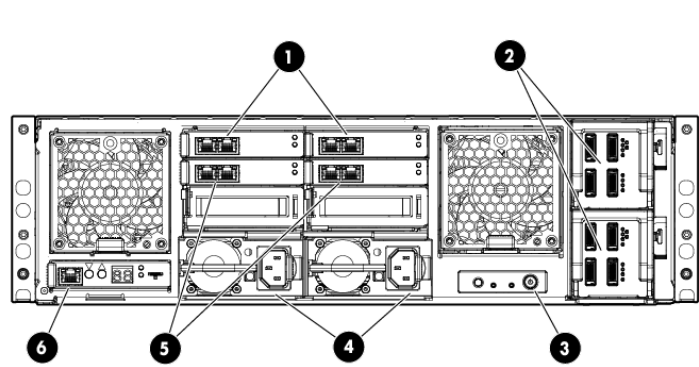
Figure 1 HP E5000 Messaging System—all models



- 1. Disk drawer
- 2. Server blade 1, Bay 1
- 3. Server blade 2, Bay 2

The instructions in this quick start guide apply to all messaging system models unless otherwise noted. Refer to Figure 2 (page 1) to locate components referenced elsewhere in this guide.

Figure 2 E5000 Messaging System rear view



- 1. 2-port Ethernet module (server blades 1 and 2) (2)
- 2. SAS I/O module (2)
- 3. Power button
- 4. Power supply (2)
- 5. 2-port Ethernet module (server blades 1 and 2) (2, on E5500 and E5700 models only)
- 6. Management port (for iLO-2 and Enclosure Manager)

IMPORTANT: Included with your messaging system is the Recovery DVD. This DVD is used to restore the system to factory defaults and should be kept in a safe place.

Supporting documentation

For additional information, see the following titles:

- *HP E5000 Messaging System for Microsoft Exchange Administrator Guide*
- *HP StorageWorks 3U Storage System Rail Kit Installation Instructions* in the rail kit
- *HP StorageWorks 2U Storage System Rail Kit Installation Instructions* to rack expansion disk enclosures
- *HP Integrated Lights-Out 2 User Guide*

For messaging system titles, browse to www.hp.com/go/E5000. Select **HP Support & Drivers** and your product. Then select **Manuals**. The localized versions of this Quick Start Guide are also located on the **Manuals** page.

Install the messaging system hardware

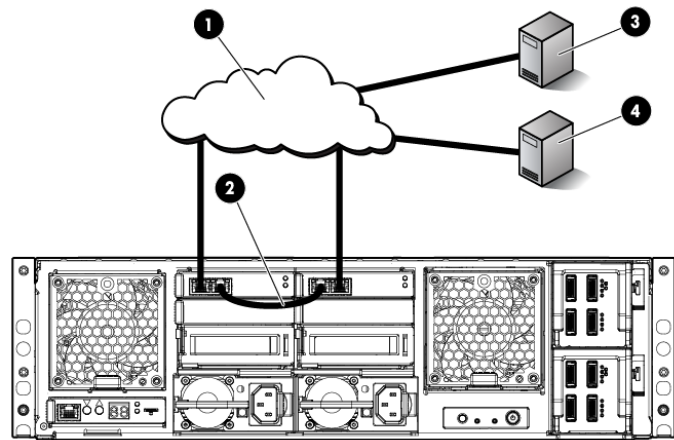
WARNING! The messaging system is heavy. Always use at least two people to move the storage system into the rack.

1. If you ordered the messaging system without the rack, install the rail kit and messaging system chassis by following the *HP StorageWorks 3U Storage System Rail Kit Installation Instructions*, packaged with the rail kit.
2. Install any expansion disk enclosures.
 - a. Add expansion disk enclosures to the rack by following the *HP StorageWorks 2U Storage System Rail Kit Installation Instructions*, packaged with the rail kit.
 - b. Cable the expansion disk enclosures to the messaging system chassis. For recommended cabling, see Figure 5 (page 2) and Figure 6 (page 2).

IMPORTANT: Ensure that cabling in the back of the rack does not interfere with system operation or maintenance. Bind cables loosely with cable ties and route excess out of the way, along the side of the rack.

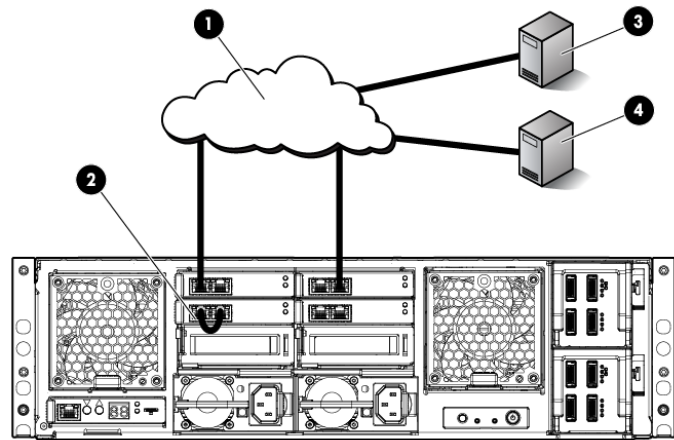
3. Connect the messaging system network cables. See the following cabling examples. Use the short Ethernet cable that comes with the messaging system for the replication network connection.

Figure 3 E5300 Messaging System sample network cabling



- 1. Client/MAPI network
- 2. Replication network
- 3. File share witness
- 4. Domain controller

Figure 4 E5500 and E5700 Messaging Systems sample network cabling



- 1. Client/MAPI network
- 2. Replication network
- 3. File share witness
- 4. Domain controller

For more information about connecting the messaging system to your network, or to cable your network differently from these examples, see the *HP E5000 Messaging System for Microsoft Exchange Administrator Guide*.

4. Connect the messaging system power cords to the rack power supply using standard procedures.

Power on the messaging system

1. Turn on any expansion disk enclosures.

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- Turn on the messaging system by pushing the power button on the back of the chassis, as shown in "E5000 Messaging System rear view" (page 1).

Once the messaging system power is on, turn on the server blades if they do not automatically power on.

Configure the EMU and iLO-2 network ports

The EMU and iLO-2 ports come preconfigured with static addresses, which need to be configured to either DHCP or appropriate static addresses for your network environment.

The preconfigured static addresses are:

- EMU: 10.0.0.10
- Server blade1 iLO-2: 10.0.0.11
- Server blade2 iLO-2: 10.0.0.12
- Subnet mask: 255.255.255.0

NOTE: The EMU must share a LAN with the server blades.

- Connect a system in the environment (or a laptop) to the EMU port, as shown in Figure 2 (page 1). Use an Ethernet cable connected directly to the system or through a switch. Configure the NIC on your system to a static address of 10.0.0.20 with the subnet mask defined above.
- Open a web browser and log into iLO-2 for each server blade, using the addresses listed above and the Administrator password from the blade pullout tab in the front of the messaging system.
- Configure the iLO-2 networking settings using the tools under the Administration tab in the web browser instance for each server. Optionally change the Administrator password before changing the network settings.
- Using a secure shell application (putty, for example), log in to the EMU using the address listed above. The Administrator password is on the label attached to the messaging system. Configure the following:
 - Change your EMU password by typing `set password` at the command line prompt.
 - To change the static IP address, type the command `set ipconfig static` at the command line prompt and follow the instructions.
 - To change the EMU addressing to DHCP, type `set ipconfig dhcp` at the command line prompt.

NOTE: Changing the network configuration of the EMU and iLO-2 management processor makes them inaccessible unless you connect the EMU to the network you configured them for.

Access the messaging system

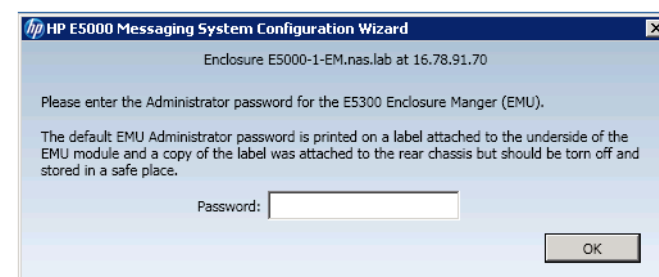
Connect to the messaging system using either the remote console (iLO-2) described above or a direct (KVM) connection, as shown in "For direct access" (page 2). The iLO-2 remote console is the recommended method.

For instructions on using each access method, see the *HP E5000 Messaging System for Microsoft Exchange Administrator Guide* or the *HP Integrated Lights-Out 2 User Guide*.

Configure the messaging system

The messaging system should be powered up and the network ports cabled for your network configuration, including the EMU port. Complete the following steps, first on server1 and then on server 2. Do not start on the second server until you have completed the steps on server 1.

- Enter your locale information in the Windows setup dialog and accept the license terms. The Windows setup will complete in approximately 15 minutes and the HP E5000 Messaging System Configuration Wizard will start.
- Enter the EMU Administrator password as instructed in the E5000 Configuration Wizard window:



The wizard automatically runs a diagnostics program to ensure that the messaging system is correctly configured. An error message appears describing any configuration errors and how to fix them. When the configuration is correct, the E5000 Configuration Wizard resumes.

- Step through each menu option in the wizard to complete the minimum required configuration.
 - Set time zone.
 - Set Administrator password.
 - Set network configuration.
 - Identify computer name.

- Review report and complete installation configuration.
- Click **Finish**. This completes the system configuration for one server. Next you will configure the server for Microsoft Exchange.
 - Run the Quick Deployment Tool and configure Exchange Server 2010 on the server configured in the previous steps.

For instructions on running the Quick Deployment Tool, see the *HP E5000 Messaging System for Microsoft Exchange Administrator Guide*.

When you have completed the E5000 Configuration Wizard and the Quick Deployment Tool for server 1 and server 2, the messaging system is ready for use.

Cabling expansion disk enclosures

If your product includes expansion disk enclosures, be sure to rack and cable the expansion disk enclosures before powering on the messaging system for initial configuration. The following figures show the correct cabling of expansion disk enclosures to the messaging system chassis.

Figure 5 Cabling two additional expansion disk enclosures

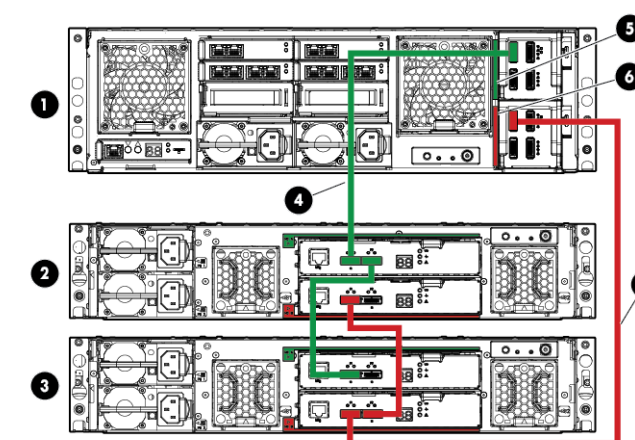
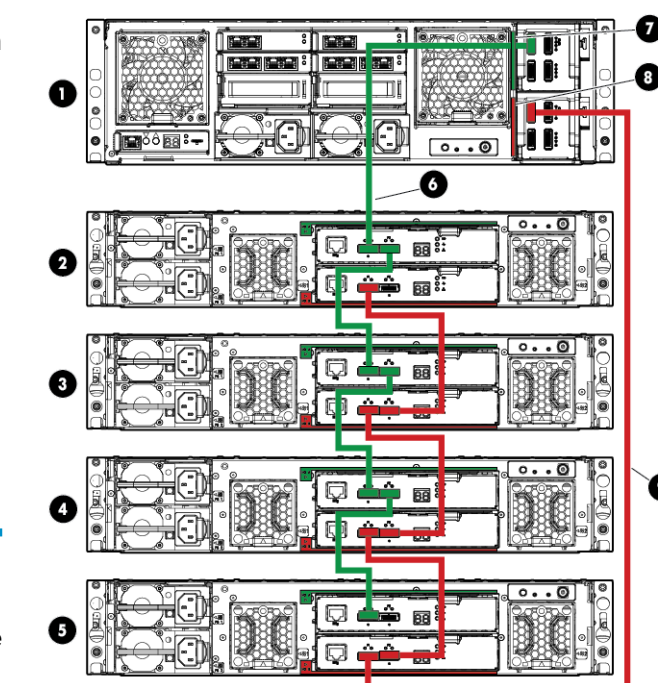


Figure 6 Cabling four additional expansion disk enclosures



Numbers represent the order of attachment.

For direct access

To use a direct (KVM) connection for the initial configuration, follow these steps:

- Attach the SUV cable (supplied with the messaging system) to the port on the front of the server blade, as shown in Figure 7 (page 2).
- Connect the following cables (not supplied) to the free ends of the SUV cable in this sequence:
 - keyboard
 - mouse
 - monitor cable
 - power cable

Figure 7 KVM console connections

